

Abstract

An optical head including a distributed feedback laser having first and second cladding layers, an active layer sandwiched between said first and second cladding layers, a first reflecting member having a periodic wave-shaped structure formed within said first cladding layer at an interface between said active layer and said first cladding layer or in close proximity to said active layer, a second reflecting member provided on a first end surface of an assembly of said first and second cladding layer and active layer and having an exit window formed by a fine aperture, a third reflecting member provided on a second end surface of said assembly, and first and second current injection electrodes electrically connected to said first and second cladding layers, respectively as well as to an injection current source for injecting a current modulated in accordance with information to be recorded on the optical record medium into the laser. Laser light emitted from said exit window of the distributed feedback laser is made incident upon the optical record medium arranged in a near-field to record the information with a high density.